USDA Forest Service 2016 Tree Canopy Cover for the NLCD

The USDA Forest Service builds the Tree Canopy Cover component of the National Land Cover Database (NLCD). Photo-interpreted canopy cover reference sites along with geospatial predictor layers, including Landsat imagery, spectral derivatives, time-series analysis, and topographic data were used to develop the predictive map models. The modeling was carried out using the random forests algorithm. Geospatial analysts reviewed the model outputs and applied several steps of post-processing to reduce visual artifacts and improve overall appearance of the products. For a small portion of areas outside of the lower 48 states, persistent cloud cover within the input imagery prevented estimation of TCC values from the numerical models. These sub areas are displayed as purple on the maps.

Percent Tree Canopy Cover

100%

0%

Coastal Alaska

0 50 100 200 400
Miles

The Hawaiian Islands

0 25 50 100 150 200
Miles
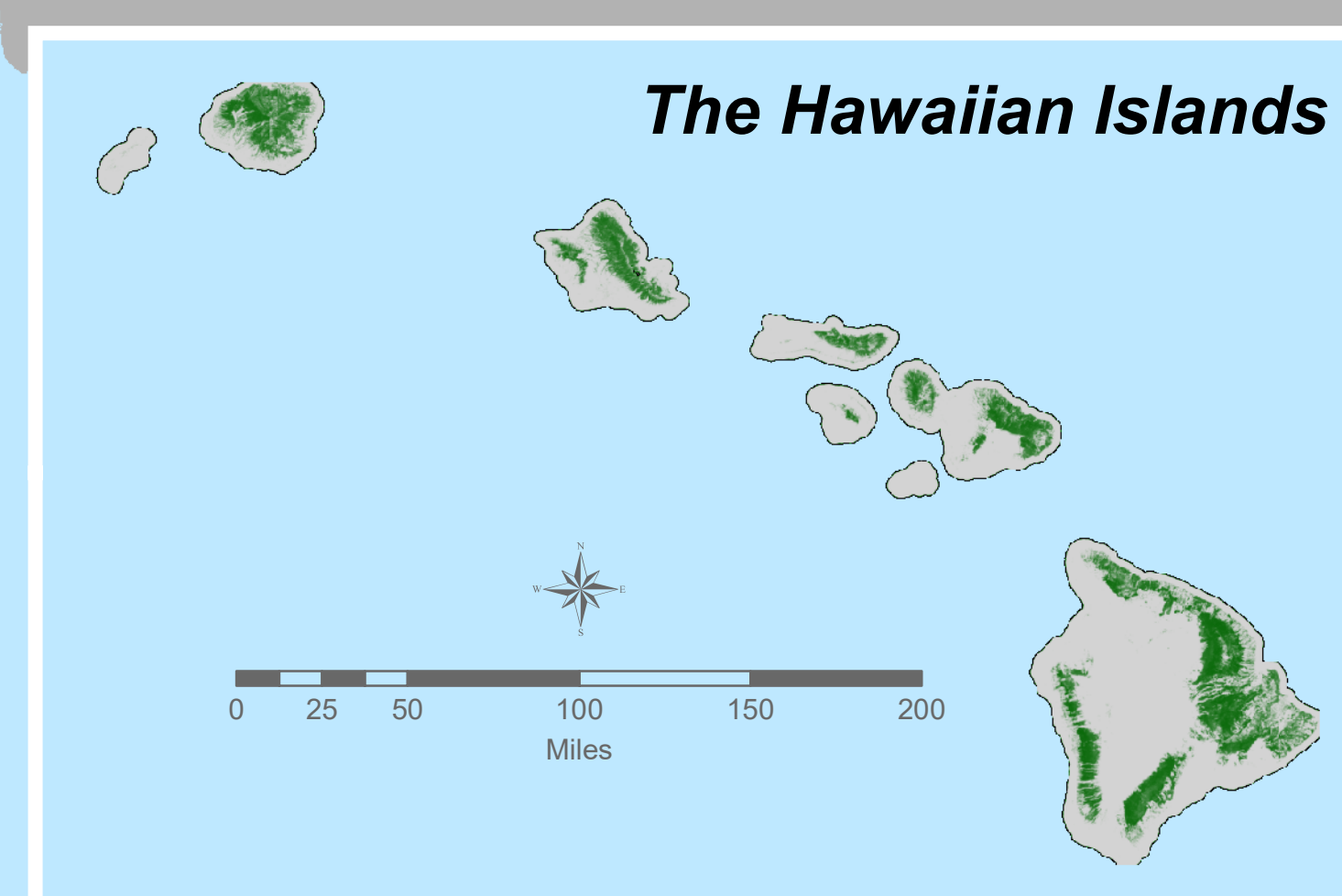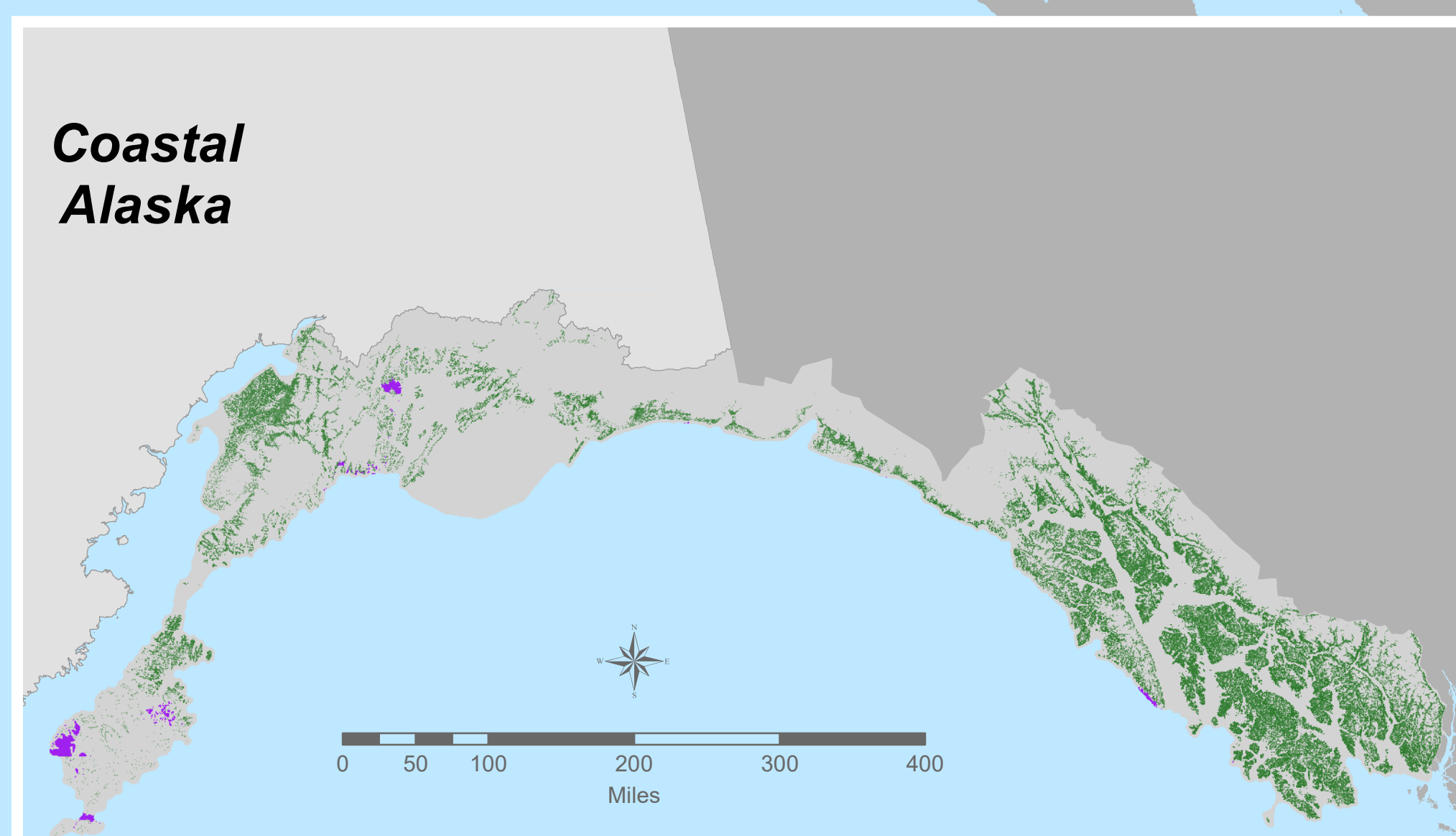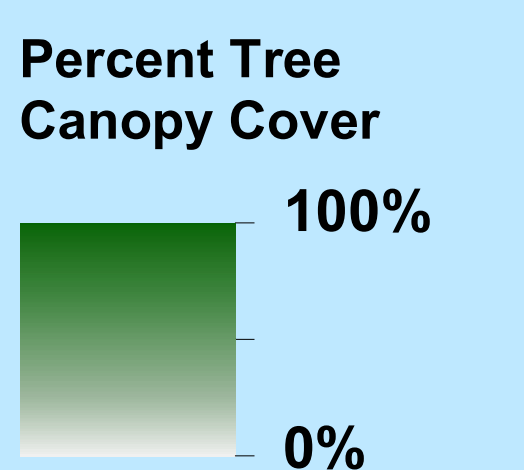
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TCC Website: https://data.fs.usda.gov/geodata/rastergateway/treecanopycover/
MRLC Website: http://www.mrlc.gov

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0 10 20 40 60 80 100
Miles

0 50 100 200 300 400
Miles